

PUBLIC NOTICE

PERMIT APPLICATION: **NRS 07-087**

APPLICANT: Ronald A. Belz, President
Belz Enterprises
100 Peabody Place, Suite 1400
Memphis, TN 38103
(901) 260-7268

LOCATION: north of Frayser Blvd., east of the CN Railroad Line and west of New Allen Road; Memphis, Shelby County.

WATERSHED DESCRIPTION: Loosahatchie Watershed (HUC 08010209). Surrounding land use is residential, mining, forest and some open fields. The unnamed tributary on site flows diagonally across the site into an unnamed tributary within the median of New Allen Road and eventually discharges into the Loosahatchie River. Approximately 7.8 miles of the Loosahatchie is on the 2006 303(d) list. The causes are PCB, chlordanes, dioxin, loss of biological integrity due to siltation and habitat alterations, physical substrate habitat alterations and escherichia coli. The pollution sources are contaminated sediment, MS 4 discharges, and channelization. Near the upstream end of the unnamed tributary the channel is less defined with various bank depths of 12-18 inches and width of 3-4 feet. Sweetgum, cedar, honeysuckle and blackberry dominate the riparian. Further downstream the stream is better defined with average bank depths of 4-feet and widths of 12-14 feet with privet, sweetgum, sycamore and multiflora rose.

PROJECT DESCRIPTION: The applicant is proposing a Nike Distribution Center and Belz Commercial Outlet Facility. The proposed project will require the relocation of 2,871 linear feet of the unnamed tributary.

Stream mitigation will occur onsite with the creation of 2,867 linear feet of new channel within 50-foot wide corridor with 3:1 slopes, a flow channel of 4-feet and a bank depth of 4-feet. Several in-stream habitat features will be included such as root wads and drop-log structures. The banks will be planted with 400 stems per acre on ten foot centers. A combination of early and late successional tree species will be planted to allow for the rapid development of canopy. Land use restrictions shall be placed on the new channel and signs established within this area to reduce maintenance activities. The new channel will be monitored with annual reports submitted to this office.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality

USGS TOPOGRAPHIC QUADRANGLE: **Northeast Memphis 409 NW**
35.226328 lat
-89.9602 long

PERMIT COORDINATOR: Mike Lee

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of

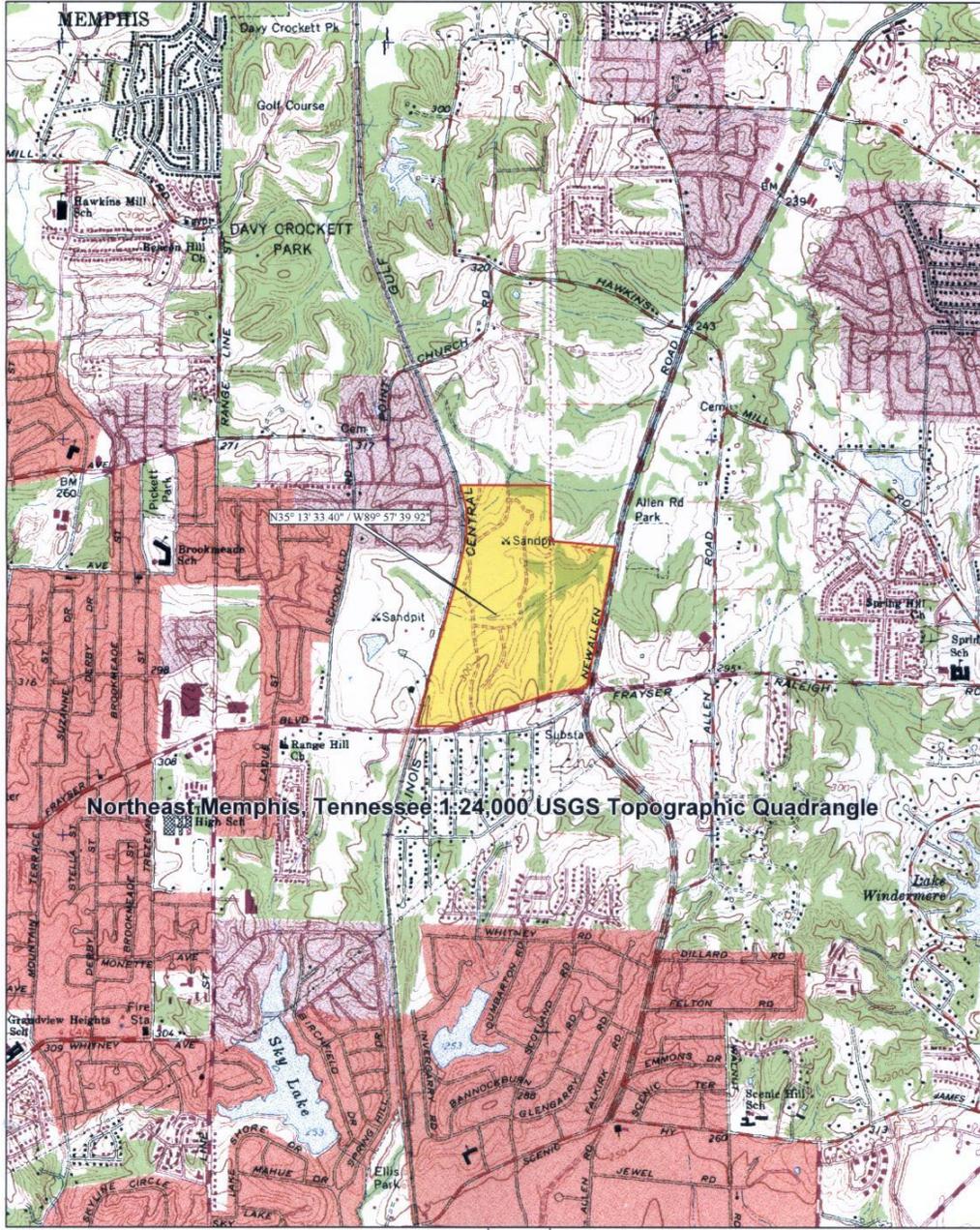
the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

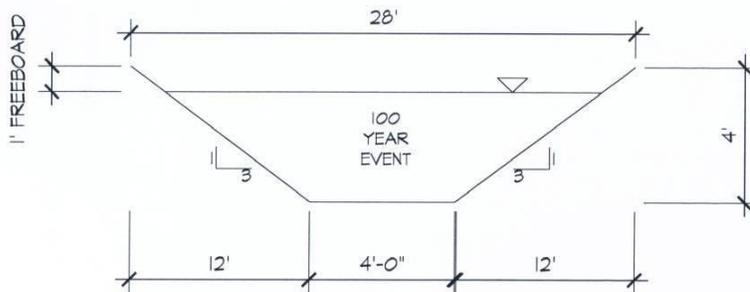
In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.



CAPACITIES*
 $Q_{100} = 210 \text{ CFS [REQUIRED]}$
 $Q_{100} = 236 \text{ CFS [PROVIDED]}$

* BASED ON OFF SITE DRAINAGE AREA MAP

RELOCATED STREAM
 CHANNEL SECTION



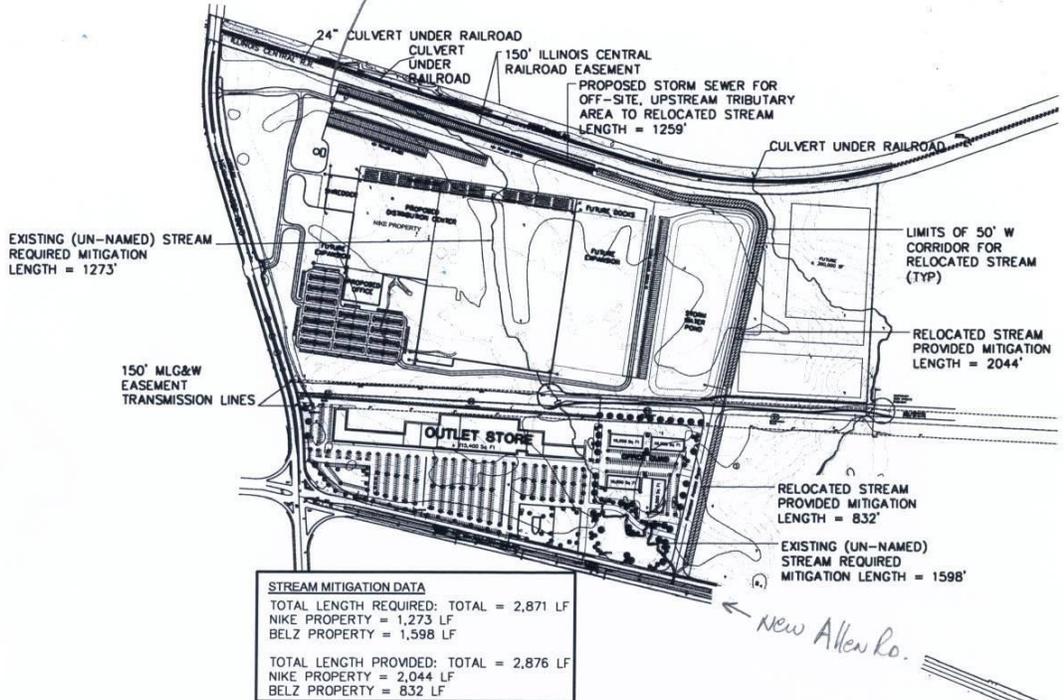
Project Description	
Worksheet	RELOCATED WA
Flow Element	Trapezoidal Chan
Method	Manning's Formul
Solve For	Discharge

Input Data	
Mannings Coeffic	0.035
Slope	010000 ft/ft
Depth	3.00 ft
Left Side Slope	3.00 H : V
Right Side Slope	3.00 H : V
Bottom Width	4.00 ft

Results	
Discharge	235.62 cfs
Flow Area	39.0 ft ²
Wetted Perim	22.97 ft
Top Width	22.00 ft
Critical Depth	2.70 ft
Critical Slope	0.016094 ft/ft
Velocity	6.04 ft/s
Velocity Head	0.57 ft
Specific Energ	3.57 ft
Froude Numb	0.80
Flow Type	Subcritical

REPRESENTATION NOT TO SCALE

Begin Stream Relocation



STREAM MITIGATION DATA	
TOTAL LENGTH REQUIRED:	TOTAL = 2,871 LF
NIKE PROPERTY =	1,273 LF
BELZ PROPERTY =	1,598 LF
TOTAL LENGTH PROVIDED:	TOTAL = 2,876 LF
NIKE PROPERTY =	2,044 LF
BELZ PROPERTY =	832 LF



NORTHBRIDGE PARK PROJECT



NIKE US FOOTWEAR - DC
STREAM MITIGATION PLAN
 MEMPHIS, TN
 SK070326.01

Nike-Belz Facility



Image URL http://www.teraserver.com/imagery/image_gx.asp?cpx=-89.9602326128954&cpy=35.2263286044239&res=2.5&provider_id=305&OL=Off

Image Provider AirPhoto USA

Resolution 2.5 Meter

Image Date 11/1/2004

Latitude 35.2263286044239

Longitude -89.9602326128954

PHOTOGRAPHIC DOCUMENTATION



Photo 1



Photo 2



Photo 3



Photo 4

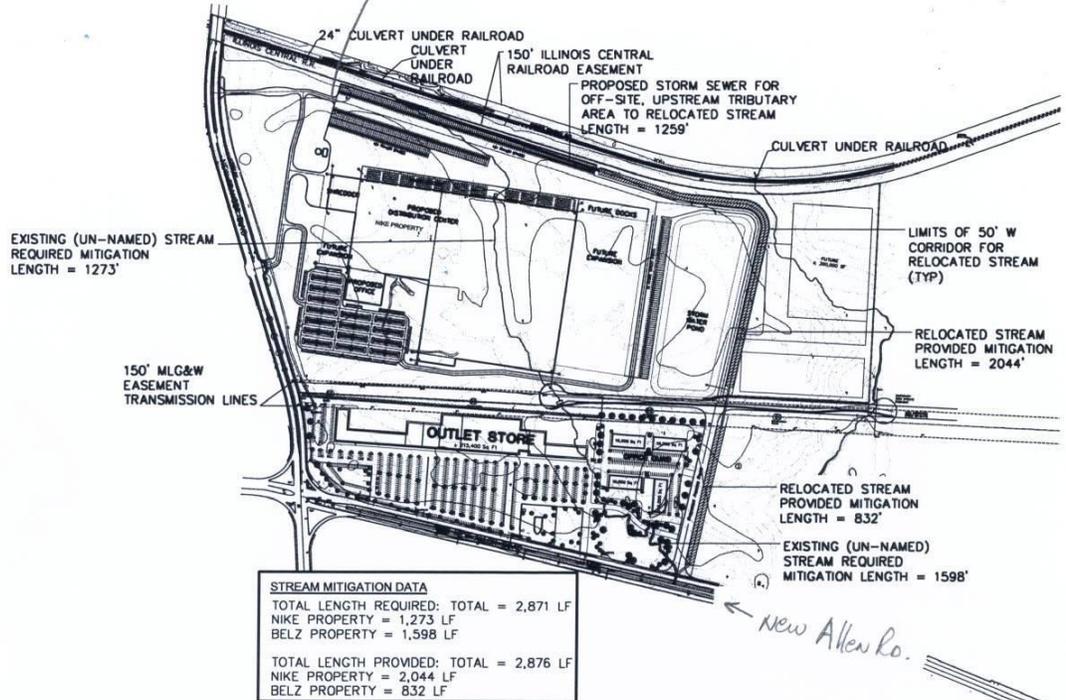


Photo 5



Photo 6

Begin Stream Relocation



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